

CLAIMS

1. A light-projecting device for a view finder, comprising:

a superimpose-plate that is put on a focusing glass,
5 on which a subject image obtained through the photographing optical system is formed;

a hollow pentagonal mirror that is provided above said focusing glass and said superimpose-plate; and

a light-projecting optical system that is disposed
10 close to an emergent opening of said hollow pentagonal mirror;

an illumination light beam output from said light-projecting optical system being reflected on the third reflecting plane and the roof reflecting plane of said hollow pentagonal mirror, and being approximately perpendicularly
15 radiated on said superimpose-plate.

2. A light-projecting device according to claim 1, wherein, on said superimpose-plate, a micro-prism is formed at a position where said illumination light beam output from said light-projecting optical system is radiated.

20 3. A light-projecting device according to claim 1, wherein said light-projecting optical system is provided with a light source having a plurality of radiating units, and illumination light beams, output from said plurality of radiating units, being radiated on different portions of said
25 superimpose-plate.

4. A light-projecting device according to claim 1, wherein said light-projecting optical system comprises a light source, disposed close to an upper end of said emergent opening, and a light-projecting prism that is disposed below said light source to project said illumination light beam, output from said light source, toward said emergent opening.

5. A light-projecting device according to claim 4, wherein said light-projecting prism is directly fixed on said hollow pentagonal mirror.

6. A light-projecting device for a view finder, comprising:

a superimpose-plate that is put on a focusing glass, on which a subject image obtained through the photographing optical system is formed;

a hollow pentagonal mirror that has a roof reflecting plane, reflecting a light beam passing through the photographing optical system, said focusing glass, and said superimpose-plate, a third reflecting plane, reflecting the light beam reflected on said roof reflecting plane, and an emergent opening through which the light beam reflected on said third reflecting plane passes; and

a light-projecting optical system that projects an illumination light beam from said emergent opening to said third reflecting plane;

said illumination light beam being reflected on said

third reflecting plane and said roof reflecting plane, and being approximately perpendicularly radiated on said superimpose-plate.